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9. The method of claim 8, wherein said *Alyssum* plant is selected from the group consisting of: *A. murale*, *A. pintodasilvae*, *A. serpyllifolium*, *A. malacitanum*, *A. lesbiacum*, *A. fallacinum*, *A. argenteum*, *A. bertolonii*, *A. tenuum*, *A. heldreichii*, *A. corsicum*, *A. pterocarpum*, *A. caricum* and combinations thereof.

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10. A method for recovering nickel from nickel-containing soil comprising:

- (a) elevating the pH of the soil from an initial pH to a raised pH;
- (b) cultivating at least one nickel-hyperaccumulator plant in the soil having the raised pH under conditions such that at least 0.1% of the above-ground tissue of said at least one plant, on a dry weight basis, is nickel;
- (c) harvesting said at least one plant; and
- (d) recovering nickel from said harvested plant.

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14. The method of claim 13, wherein said *Alyssum* plant is selected from the group consisting of: *A. murale*, *A. pintodasilvae*, *A. serpyllifolium*, *A. malacitanum*, *A. lesbiacum*, *A. fallacinum*, *A. argenteum*, *A. bertolonii*, *A. tenuum*, *A. heldreichii*, *A. corsicum*, *A. pterocarpum*, *A. caricum* and combinations thereof.

15. The method of claim 14, wherein said *Alyssum* plant is selected from the group consisting of: *A. corsicum* G16, *A. murale* G69, *A. murale* G82 and combinations thereof.